

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of  Wang et al.  Serial No.: Not yet assigned  Filed: Herewith  For: <i>O-Fucosyltransferase</i>	Group Art Unit: Not yet assigned  Examiner: Not yet assigned
<p style="text-align: center;"><b>CERTIFICATE OF MAILING</b></p> <p>I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner of Patents, Washington, D.C. 20231 on</p> <p style="text-align: right;">January 30, 2001</p> <p style="text-align: right;"><i>[Signature]</i> Teri Renshaw</p>	

PRELIMINARY AMENDMENT

BOX: PATENT APPLICATION  
 Assistant Commissioner of Patents  
 Washington, D.C. 20231

Sir:

Prior to the examination of this application on its merits, please amend the application as follows:

Please cancel Claims 1 - 30, without prejudice or disclaimer.

Please add the following claims:

- 31. An isolated nucleic acid molecule that encodes an O-fucosyltransferase enzyme which is capable of glycosylating an epidermal growth factor domain of a polypeptide with an activated O-fucose moiety, wherein said enzyme is selected from the group consisting of a polypeptide comprising SEQ ID NO:9, a polypeptide comprising SEQ ID NO:3, a polypeptide comprising SEQ ID NO:2, a polypeptide comprising SEQ ID NO:9 with one conservative substitution, a polypeptide comprising SEQ ID NO:3 with one conservative substitution, and a polypeptide comprising SEQ ID NO:2 with one conservative substitution.--
  
- 32. The isolated nucleic acid molecule of Claim 31 which encodes an O-fucosyltransferase enzyme comprising SEQ ID NO:9.--

- 33. The isolated nucleic acid molecule of Claim 31 which encodes an O-fucosyltransferase enzyme comprising SEQ ID NO:3.--
- 34. The isolated nucleic acid molecule of Claim 31 which encodes an O-fucosyltransferase enzyme comprising SEQ ID NO:2.--
- 35. The isolated nucleic acid molecule of Claim 31 which encodes an O-fucosyltransferase enzyme comprising SEQ ID NO:9 with one conservative substitution.--
- 36. The isolated nucleic acid molecule of Claim 31 which encodes an O-fucosyltransferase enzyme comprising SEQ ID NO:3 with one conservative substitution.--
- 37. The isolated nucleic acid molecule of Claim 31 which encodes an O-fucosyltransferase enzyme comprising SEQ ID NO:2 with one conservative substitution.--
- 38. The isolated nucleic acid molecule of Claim 31, wherein said nucleic acid sequence comprises SEQ ID NO:1 or SEQ ID NO:16.--
- 39. A vector comprising the nucleic acid molecule of Claim 31.--
- 40. A host cell comprising the vector of Claim 39.--
- 41. The host cell of Claim 40, wherein said cell is a CHO cell, yeast cell, *E. coli* cell or an infected insect cell comprising a Baculovirus expression vector.--

**REMARKS**

Applicants have herein amended the claims by cancelling Claims 1 - 30 and adding new Claims 31 - 41, thereby leaving new Claims 31 - 41 pending for prosecution herein. Specification support for new Claims 31 - 41 can be found at least as follows: page 3: lines 20-33; page 4: lines 1-11; page 7: lines 10-11, 14, and 29-30; page 8: lines 17-18; page 12: lines 1-32; page 13: lines 11-34; page 19: lines 5-33; page 20: lines 1-34; page 21: lines 1-34; page 22: lines 1-10; Example 1: page 50: lines 1-4, page 51: lines 1-34, and page 52: lines 1-13. In that the amended new Claims 31 - 41 do not introduce new matter and are supported in the specification as originally filed, their entry is respectfully requested.

Respectfully submitted

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